

CONTROL SYSTEM INCLUDING AN IMAGING SENSOR

ABSTRACT OF THE DISCLOSURE

An interior rearview mirror system includes an interior rearview mirror assembly, electronic circuitry, an imaging sensor, a rain sensor control and a headlamp control. The electronic circuitry is operable to control an electrochromic reflective element of the mirror assembly. The imaging sensor is positioned with a field of view through a window of the vehicle. The rain sensor control is responsive to an output signal of the imaging sensor and controls a windshield wiper of the vehicle and/or a defogging system of the vehicle in response to the output signal. The headlamp control is responsive to an output signal of the imaging sensor and controls a headlamp of the vehicle in response to the output signal. The rain sensor control and the headlamp control at least one of (a) access a common component of the electronic circuitry, and (b) share a common component of the electronic circuitry.